



FISCAL YEAR 2021

CUSTOMER ENERGY SOLUTIONS PROGRAM PROGRESS REPORT



INTRODUCTION

At Austin Energy, we see challenges as opportunities to improve our processes and increase the value we provide to those we serve. In 2021, the effects of the global pandemic remained ingrained in our community, reshaping the way we interacted with one another. On top of that, devastating winter storms strained the state's electric grid. Our service area experienced widespread outages after the Electric Reliability Council of Texas directed utilities to cut power to prevent a statewide blackout.

As Austin Energy focused on helping its community through these trying situations, our Customer Energy Solutions (CES) team continued connecting customers with our services. Beyond the pandemic and winter storms, in 2021 the CES team transformed the Weatherization Assistance Program application process into an online, mobile friendly, one-page form in English and Spanish. The program also shifted to allow remote and virtual inspections. These changes led to application increases of 700 percent, and the program served more than 625 homes with free or low-cost weatherization.

CES also began reimagining programs and services more holistically through a lens of diversity, equity and inclusion. While the team trained and developed a stronger understanding, CES also hired an external consultant to help with public engagement and collect input on equity in our programs. This work is critical to our future success and will form the bedrock of how we conceive of, launch, run and measure programs.

The CES team's work on the Austin Climate Equity Plan represents our commitment to diversity, equity and inclusion. The plan lays out the bold and aggressive goal of equitably reaching net-zero greenhouse gas emissions community-wide by 2040, with a strong emphasis on cutting emissions by 2030. As we support this plan, we will explore new ways to expand access to our services for everyone in the community.

Toward the end of the year, we welcomed Richard Génécé as the new Vice President of Customer Energy Solutions. His previous experience with demand-side management and electric utilities includes assignments at Southern California Edison and Bonneville Power Administration. With Richard's leadership, I know the CES team will continue to innovate, serve and meet the needs of our community, no matter the challenges and opportunities the future presents.



Jackie Sargent
General Manger
Austin Energy



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General Manager
Austin Energy

OVERVIEW

The Austin Energy Resource, Generation, and Climate Protection Plan outlines the goals we have set and are presently on track to meet by the year 2030.

Austin Energy's utility goals are to:

- Achieve 1200 MW through energy efficiency and demand response measures.
- Ensure >1% of MWH sales equates to MWH energy efficiency.
- Provide for 375 MW of local solar with 200 MW being customer sited.
- Achieve a level of 93% carbon-free generation.

Austin Energy is responsible for and committed to the design, implementation, and evaluation of these goals through our rebate programs and offerings as well as our outreach and education.

CES helps our customers save money and energy through a wide selection of rebate offerings and incentives.

- **Residential Energy Efficiency** - Residential customers are encouraged to take advantage of a wide variety of Austin Energy conservation programs designed to help them reduce their energy consumption and save money on their electric bills.
- **Commercial Energy Efficiency** - Commercial rebates are offered to our commercial customers so they may invest in new, energy efficient technologies that reduce the high demand for electrical power during hot summer afternoons when the demand for electric power is at its highest.
- **Austin Energy Green Building** - We offer consultation, technical assistance, and green building rating services to building industry professionals working on new construction and major renovation projects.
- **Customer Renewable Solutions** - We assist customers who install Solar Photovoltaic (PV) Systems at their homes or businesses by offering financial incentives to help offset the initial investment. We manage renewable energy subscription programs enabling residential and commercial customers to have access to green power.
- **Plug-In Austin Electric Vehicle Program** — This program offers rebates to help pay for electric charging stations. Rebates are also offered for qualified electric-powered motorcycles, bikes, scooters, mopeds, or Segways. Other incentives are available for businesses and multifamily properties.



2021 Virtual Cool House Tour

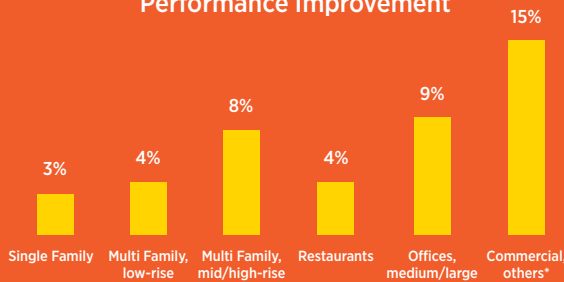
AEGB 5-star rating

ENERGY CODE

The City of Austin adopted the 2021 International Energy Conservation Code (IECC) with local amendments through Ordinance No. 20210603-055 effective September 1, 2021. Austin Energy led the process for writing the local amendments, educating the community and gathering stakeholder input. The impact on energy savings is seen across all building types.

Austin Energy was selected as a member of the Residential Energy Code Consensus Committee for development of 2024 IECC.

2021 COA Energy Code Performance Improvement



GREEN BUILDING OUTREACH

Austin Energy provided continuing education to more than 1,897 attendees in FY 2021 through 10 professional development webinars and three online Green by Design public workshops. The 25th annual Cool House Tour, co-produced with Texas Solar Energy Society, was hosted virtually again this year and had a record-breaking registration of 1,038 people. Tour day participation was over 400 and the recorded sessions have logged almost 600 views to date.

Austin Energy presented at conferences and professional association events as well as organized webinars for trade organizations and other City departments. Staff also served on national committees for the U.S. Green Building Council, the Advisory Council for the Central

Texas Chapter of the U.S. Green Building Council, the Austin Chapter of the American Institute of Architects and the Home Builders Association. Other notable highlights this year include:

- Creation of an AEGB webpage on the City of Austin Public Input community engagement platform to gather public comments on the 2021 IECC proposed changes
- Conducted an outreach survey to inform future educational offerings and further development of an e-Learning hub that will increase accessibility and reach a wider audience
- Collaboration with AIA Austin and Austin Foundation for Architecture creating an online 'Go Green' tour of sustainable buildings for the Guide to Austin Architecture, celebrating our 30th anniversary of rating projects

Coming in FY 2022

Looking ahead, plans include public awareness campaigns to promote the benefits of green building and new online education platforms for both the public and building professionals. Outreach will focus on accessibility to a wider audience through videos, social media campaigns and digital dashboards. Customer engagement, along with community collaborations that align with recent outreach survey results will continue to be the focus.

*Hospitals, Hotels, Retail, Schools, small Offices



Photo credit: Leonid Furmansky

2021

Virtual
Cool House Tour

AEGB 5-star rating

RESIDENTIAL

Photo credit: Leonid Furmansky

HOME PERFORMANCE WITH ENERGY STAR

The program provides incentives for energy efficiency improvements such as high efficiency air conditioning ventilation and heating (HVAC) units, duct improvements, solar screens on windows, attic insulation, air sealing the house shell and smart thermostats. This results in energy and cost savings for our customers while increasing the comfort and health of their homes. In FY 2021, approximately 566 homes participated in the whole house approach to energy efficiency improvements for an estimated 0.72 MW of demand reduction and 1.0 MWh of energy reductions.

In FY 2021, the program continued to be impacted by the COVID-19 pandemic, but the program participation increased by approximately 11% over the prior year. Austin Energy continued to offer loans of up to \$20,000 with interest rates as low as 1.99% through Velocity Credit Union and ran two promotions to help our customers further offset the cost of energy efficiency improvements. Our “Limited Time Offer” promotion ran from October 15, 2020 to April 15, 2021 and our “End of Summer”

promotion ran from July 31, 2021 to September 30, 2021, and each included an additional \$600 rebate or 0% financing.

The partnership between Austin Energy and Texas Gas Service remains strong. Texas Gas contributed to rebates for Austin Energy customers who have gas appliances. The alignment of resources benefits the customers, utilities and contractors.

Coming in FY 2022

The program will kick off the FY 2022 program year with an enhanced “Limited Time Offer” that will run from October 1, 2021 through April 15, 2022. The FY 2022 promotion includes an additional \$50 rebate for solar screens and a \$100 rebate for HVAC replacement. If customers do not wish to finance their projects through Velocity Credit Union, they may receive an additional \$600 rebate with rebates averaging \$2,550. Customers that choose to finance their projects through Velocity Credit Union, may enjoy financing 0% interest and rebates averaging \$1,950.

Home Performance with Energy Star Velocity Credit Union Loan Interest Rates

Tier 1: Loans up to \$10,000 and 60 months at 1.99%

Tier 2: Loans up to \$10,000 from 60 months to 120 months at 2.99%

Tier 3: Loans from \$10,001 to \$20,000 up to 120 months at 3.99%



APPLIANCE EFFICIENCY PROGRAM

Austin Energy continued to offer the Appliance Efficiency Program to assist customers with adoption of high efficiency appliances including HVAC systems, heat pump water heaters, window air conditioners, variable-speed pool pumps and wi-fi thermostats. As customers transition to more energy efficient appliances, the program will continue to see substantial growth due to the individual rebates offered.

In FY 2021, the Appliance Efficiency Program saw a 46% increase in customer participation over FY 2020 and achieved 2.6 megawatts of savings. The program will continue to help customers become informed energy consumers to save them money and protect the environment.

Coming in FY 2022

Austin Energy plans to continue to improve the program to deliver the highest value to customers by evaluating new measures, improving processes and offering expanded training programs. Operational improvements include providing additional training and resources to participating contractors, reinstating in-person post-inspections for program participation, and revisiting the program target marketing strategy. These changes will help raise awareness for the savings benefits of the program and streamline the application process to expedite customer rebates. Austin Energy is also evaluating solar screens as an individual eligible rebate measure.

STRATEGIC PARTNERSHIP BETWEEN UTILITIES AND RETAILERS

As a result of the Strategic Partnership between Utilities and Retailers (SPUR), Austin Energy partners with some of the largest retailers in the country, as well as regional and local retailers, to provide energy efficiency education and Instant Savings in-store

discounts on energy efficient products to help customers save energy and lower their electric bills. This program started in 2015 with an offer to save two dollars on qualifying LED bulbs at participating retailers. The Instant Savings offers have expanded and now incentivize a variety of select ENERGY STAR products including LED bulbs, refrigerators, freezers, air purifiers, window air conditioning units, advanced power strips (smart strips) and do-it-yourself air infiltration kit products. The program also cross promotes Austin Energy's Power Partner Thermostat program and heat pump water heater rebates through in-store signage and during in-store events at retail locations throughout Austin Energy's service territory.

The SPUR program achieved more than 1.7 MW of demand savings in FY 2021. Instant savings has retail locations participating throughout Austin Energy service territory to enhance customer convenience to take advantage of the program at their store of choice. Instant Savings for the products mentioned above are available in stores such as Home Depot, Lowe's, Walmart, Sam's Club, Costco, Target, Batteries Plus Bulbs and more. Customers are encouraged to visit the Austin Energy Instant Savings program website at austinenergy.com/go/instantsavings to find participating retailers and available products.

Coming in FY 2022

The program is looking to expand by adding water saving devices and more energy efficiency products to the offer. Instant Savings in-store events will continue to educate customers about the products and other programs offerings from Austin Energy as the retail locations allow.

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INSTANT SAVINGS

on select energy efficient products

Look for this label



brought to you by Austin Energy

For A Limited Time Only

A City of Austin Program

Instant savings for residential customers only. Price shown reflects discount. Limit 12 lighting products and up to 4 non-lighting products.



ALL-STARS

The All-Stars program was approved by Austin City Council in February 2018. The first-year program goal was set at 4,500 participants. The All-Stars school-based curriculum is offered to sixth-grade students throughout the Austin Energy service area at no cost to the schools, teachers or students. The five-day curriculum includes:

- Customized student kits with energy efficiency products such as LED light bulbs and advanced power strips to be installed in the students' homes;
- Energy conservation tips and marketing literature on Austin Energy's rebate programs to the students' parents/guardians;
- Classroom Energy Investigation kit that includes an electricity usage monitor, an infrared temperature gun, a solar-powered model car and a light-bulb comparison box; and
- Integrated curriculum materials that include hands-on classroom activities and lessons directly tied to the Texas Essential Knowledge and Skills academic standards plus a survey to assess the program's impact.

You can find more information at allstars.austinenergy.com.

Coming in FY 2022

Austin Energy has distributed a survey to teachers who recently participated in the program to learn about their experience and further enhance the program. Austin Energy would like to grow the program to reach 70% of all sixth-grade classes in the Austin Energy service area in FY 2022.

WEATHERIZATION ASSISTANCE PROGRAM

In FY 2021, the Weatherization Assistance Program weatherized 625 homes for an estimated demand reduction of 0.55 MW and 687.5 MWh. These customers received energy-saving improvements, such as attic insulation, duct repairs or replacement, sealing of the home envelope, solar screens, LED lighting, AC tune ups and carbon monoxide and smoke detectors. Smart thermostats were also added to the program in FY 2021.

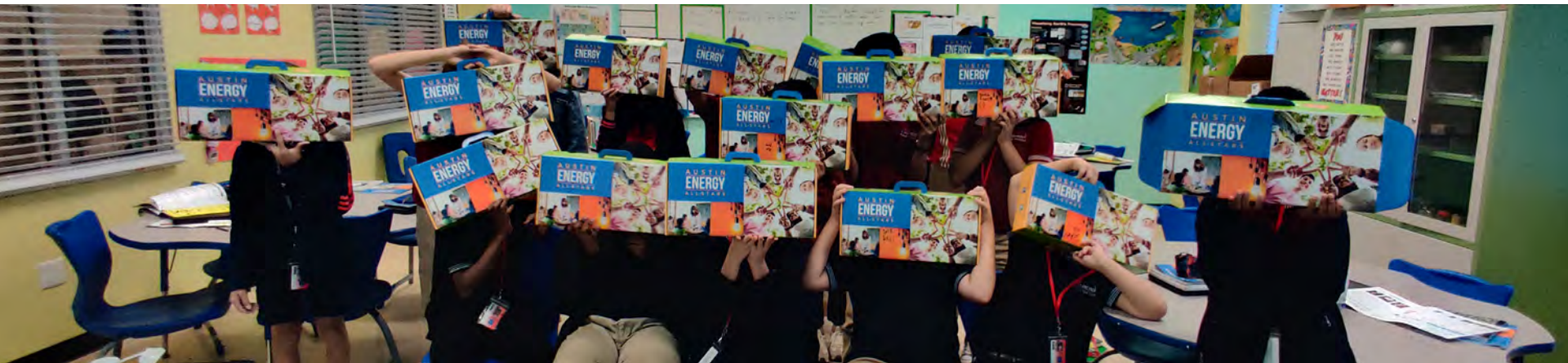
Austin Energy made many changes to the program to remove barriers that were encountered by low-income customers. The application process was streamlined into a one-page application that is online, mobile-friendly, bilingual and takes only minutes to complete. Income requirements were raised from 200% Federal Poverty Level to 80% Median Family Income to account for Austin's rising cost of living and to better align with non-profit partners and other City of Austin departments. This increased income limits from \$53,000 to \$79,100 for a family of four. Data analytics (psychographic

data, census data, tax appraisal district data, and billing system data) were used to "pre-qualify" customers that helped eliminate the need for income verification documents.

The program also adjusted inspection processes to allow for remote and virtual inspections to mitigate the spread of COVID-19 but allowed the program to continue to serve customers. Austin Energy continued to work with local housing repair agencies to identify customers in need of additional repairs beyond the scope of weatherization. In particular, the program worked with Basta Austin, a tenants' rights non-profit, to weatherize homes at the North Lamar Mobile Home Park.

Coming in FY 2022

The Weatherization Assistance Program is launching a pilot program to provide HVAC repairs or replacements and weatherization to customers on the Medically Vulnerable Registry ("MVR"). The program is also returning to "in field" final inspections with third party quality control vendors to ensure that weatherization services meet energy efficiency and health/safety standards.



RESIDENTIAL GREEN BUILDING

Austin Energy Green Building rated 359 new and remodeled homes with 49% in S.M.A.R.T. Housing developments plus, 575 homes in the surrounding area outside of the Austin Energy service area. The program reported energy code savings for 3,930 homes permitted in FY 2020. Rating Version 1 and companion Innovation Guide Version 3 were published. Rating program participation growth continued with the registration of 535 new production home projects and 28 new custom home projects in the Austin Energy service area and 733 new home projects in the surrounding area outside of the Austin Energy service area.

Coming in FY 2022

The program will develop a strategy and metrics to measure progress toward the Austin Climate Equity Plan to reduce embodied carbon in new construction.

RESIDENTIAL ENVIRONMENTAL CONSERVATION AUDIT AND DISCLOSURE (ECAD)

Austin Energy manages the City of Austin's mandatory "Time of Sale" component of the ECAD disclosure ordinance to increase awareness and spur energy improvements in the residential existing housing market. The Austin City Code 6-7's Energy Conservation Audit and Disclosure ordinance (No. 20110421-002), enacted in 2008, applies to properties with one to four units that are served by Austin Energy and located within the Austin city limits. ECAD is an important component of Austin's Climate Protection Plan to educate property owners, sellers and buyers on solutions that deliver cost-effective energy efficiency, improve data transparency and contribute toward community environmental sustainability goals.

Austin Energy continues to strengthen relationships with the real estate community to highlight energy efficiency awareness to both sellers and buyers at the real estate sale transaction, providing residential customers with a roadmap for efficiency improvements. Community partnerships continue to provide educational opportunities in reaching Austin area real estate community classes, home sellers and buyers, energy audit professionals and energy efficiency contractors. Austin is a city that is a leader in real estate markets and highlights key energy efficiency, energy audit disclosures and green features of a home in its multiple listing service ("MLS"). Over 5,500 audits were completed between January 1, 2020 and December 31, 2021.

Coming in FY 2022

Austin Energy continues to expand community awareness around the value and benefits of the ECAD ordinance in both residential and commercial real estate markets. Austin Energy will conduct marketing and outreach efforts to complete the public launch of its tool to allow residential customers to determine their ECAD compliance status through a self-service portal. Efforts will focus on increasing awareness in FY 2022 to assist customers as the market continues shift from city code compliance to energy efficiency upgrades.

2021
Virtual
Cool House Tour
AEGB 5-star rating



Photo credit: Leonid Furmansky

2021

Virtual

Cool House Tour

Waterloo Terrace

AEGB 4-star rating

MULTIFAMILY

Photo credit: Leonid Furmansky

MULTIFAMILY REBATES

Over 5,100 families who rent had the opportunity to experience lower energy bills through the work of Austin Energy and multifamily property owners in FY 2021. Both programs saved 4,457 MWh of electricity annually. The Standard program weatherized over 2,700 units and saved over 1,600 MWh of electricity annually. Improvements include adding insulation in ceilings and attics, installing solar screens on windows, changing out inefficient lighting, HVAC tune-ups, reducing leaks in ducts and making other energy efficiency upgrades.

Coming in FY 2022

The program will continue to be streamlined and participation made easier with new measures added to increase efficiency. Rebates will be

reviewed for both the standard and the income qualified program to overcome the split incentive barrier in a cost-effective manner.

MULTIFAMILY INCOME QUALIFIED

Over 2,300 families were vetted as income qualified to cover the costs of adding energy efficiency measures. The Income Qualified program weatherized over 2,300 units and saved over 2,800 MWh of electricity annually. The multifamily income qualified program helps address affordability in Austin by providing rebates for multifamily property owners to make improvements to lower the energy bills for residents.

MULTIFAMILY GREEN BUILDING

Austin Energy Green Building rated 14 projects,

with 10 of the projects in S.M.A.R.T. Housing developments, comprised of 2,458 dwelling units and 2.9 million square feet. The program reported energy code savings for 13,549 dwelling units of multifamily low-rise and mid-rise new construction permits issued in FY 2020. An updated 2020 rating Version 1 and companion Innovation Guide Version 2 were published. Rating program participation growth continued with the registration of 29 new projects with 6,170 dwelling units and nearly 6.4 million square feet.

Coming in FY 2022

The program will develop a strategy and metrics to measure progress toward the Austin Climate Equity Plan to reduce embodied carbon in new construction.



Photo credit: Leonid Furmanskyy

Austin Energy Green Building Multifamily Ratings

Project Name	AEGB Rating/ Certification	Residential Units	Building Use	Development Agreements
1600 S 1st	1-star	59	Residential/ Office/Retail/ Restaurant	
AHA! at Briarcliff	4-star	27	Residential	S.M.A.R.T. Housing
Bridge at Cameron	1-star	263	Residential/ Office/Other	S.M.A.R.T. Housing
Bridge at Granada	1-star	258	Residential	S.M.A.R.T. Housing
Clawson Ridge	3-star	39	Residential	S.M.A.R.T. Housing
Colorado Creek Apartments	1-star	240	Residential	S.M.A.R.T. Housing
Creekview Apartment Homes	1-star	264	Residential	S.M.A.R.T. Housing
Elysium Grand	1-star	90	Residential	S.M.A.R.T. Housing
Hatchery Building 5	1-star	30	Residential	
Korina at the Grove	2-star	370	Residential/ Retail	The Grove (PUD)
The Abali	1-star	56	Residential	S.M.A.R.T. Housing
The Weaver at the Hatchery	1-star	250	Residential/ Office/ Retail/ Restaurant	S.M.A.R.T. Housing
Trinsic Aura University Park	2-star	380	Residential	East Avenue (PUD)
Waterloo Terrace	4-star LEED ¹ - Gold	132	Residential/ Office/ Other	S.M.A.R.T. Housing

¹ LEED NC v4

MULTIFAMILY ENVIRONMENTAL CONSERVATION AUDIT AND DISCLOSURE

Austin Energy manages the City of Austin's mandatory commercial energy benchmarking and multifamily energy audit and "Time of Lease" disclosure component of the ECAD ordinance to improve the efficiency of building stock in these market sectors. ECAD is an important component of Austin's Climate Protection Plan to educate property owners and tenants on solutions to cost-effective energy efficiency, to improve data transparency and to contribute toward community environmental sustainability goals.

Multifamily ECAD brings energy efficiency information to apartment owners and residents. Each year, ECAD connects Austin Energy's multifamily energy efficiency program to apartment communities, including those with high-energy use, to make

improvements to the units. The Austin City Code does not require property owners to make energy efficiency improvements, unless it is a multifamily building that has been identified as a high-energy use property, one that uses 150 percent above the average. In FY 2020, Austin Energy began an audit rebate incentive for multifamily communities that bundle an audit with improvements. In 2021 over 581 audits turned 10 years of age. Communities are now in the process of getting their second energy audit. In 2021, 158 properties were able to get new audits completed. There 352 remaining properties to renew their audits from 2011, and a total of 818 properties currently audited. Property Compliance rate going into 2022 is 70 percent (1,103 properties) and 82 percent (134 million square feet up from 116 million square feet) multifamily space.

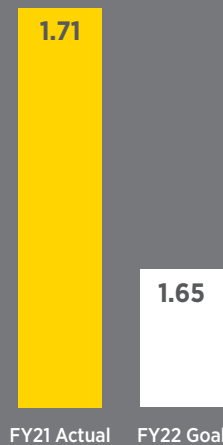
Coming in FY 2022

With the Multifamily ECAD rebate continuing into to 2022, we look forward to seeing more communities making improvements and renewing their audits.

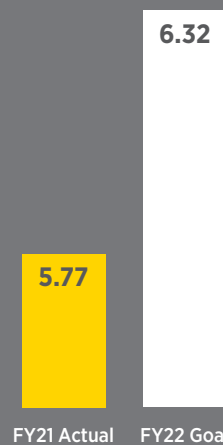
ADVANCED BUILDING TECHNOLOGIES

In FY 2021, Austin Energy received a \$1 million grant from the U.S. Department of Energy to develop a new three-year project leveraging advanced building and demand response technologies for the multifamily sector. Austin Energy will test a new incentive design that awards both the tenant and the property owner for continued participation in demand response events. In addition to this new incentive design, the pilot will evaluate new communication technologies that enable hot water heaters and smart thermostats to reduce energy when needed, while also improving comfort and lowering energy costs for tenants and property owners.

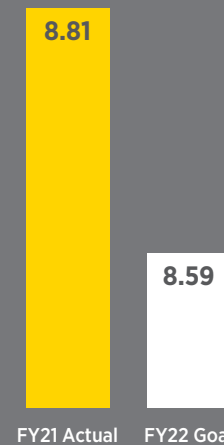
MULTIFAMILY ENERGY EFFICIENCY MW



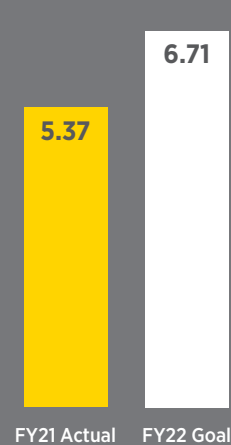
RESIDENTIAL ENERGY EFFICIENCY MW



MULTIFAMILY GREEN BUILDING MW



RESIDENTIAL GREEN BUILDING MW



Eastlake at Tillery

AEGB 3-star rating

COMMERCIAL

Photo credit: Chase Daniels

SMALL BUSINESS

The Small Business program for Austin Energy is designed to serve local small businesses, non-profits, and Houses of Worship in making improvements to reduce operating and maintenance expenses. The payback on lighting retrofits is often less than a year, which is critical for these customers. As the local economy improved, program performance in FY 2021 rebounded from the prior year with 65% of savings goal met and 85% of budget goal met.

COMMERCIAL ENERGY EFFICIENCY

Austin Energy works with medium and large customers to identify ways they can understand and reduce their energy consumption. In FY 2021, the commercial program added a new HVAC tune-up incentive to help customers keep their HVAC systems running smoothly and efficiently. To support the local economy, an additional limited-time bonus of up to 30% of existing incentives was implemented. Program performance declined slightly in FY 2021 compared to the year prior, with 85% of savings goal met and 86% of budget goal met.

Coming in FY 2022

A limited-time bonus of up to 30% over existing incentives will continue in 2022. Both the Small Business and Commercial programs will continue to rely on a new virtual inspection protocol, with photo documentation and video applications that allow program inspections to occur with minimal interruption while ensuring rebate payments continue to be paid. These virtual tools help improve installation quality of rebated equipment by allowing more real-time inspection and troubleshooting with the contractor or customer during the installation phase.

COMMERCIAL GREEN BUILDING

Austin Energy Green Building reported 29 projects (27 AEGB rated, 2 LEED certified) comprised of 5.8 million square feet and 1,796 dwelling units. Ratings were awarded to five residential hi-rise projects, 1,021 dwelling

units, with S.M.A.R.T. Housing development agreements. The program reported energy code savings for over 18.2 million square feet of commercial new construction permits issued in FY 2020. A new version of the Innovation Guide was published. Rating program participation growth continued with the registration of 23 new projects with nearly 6.4 million square feet and 2,734 dwelling units.

The rating rewards customer participation in other CES and Austin Energy programs. Four projects installed EV charging stations and one project enrolled in GreenChoice.

Coming in FY 2022

The program will engage stakeholders in the rating advancement and update the Commercial Rating and corresponding Innovation and Tenant Guidebooks. Austin Energy will launch a research initiative with the University of Colorado Boulder to baseline embodied carbon in the local building stock to inform Austin-specific decarbonization initiatives going forward. The three-year Demonstration of Energy and Efficiency Development grant from the American Public Power Association to participate in the GridOptimal Initiative will be wrapped up. Lessons learned from the initiative will inform rating updates for more grid-responsive building design and management strategies.

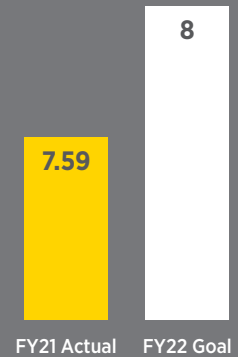
INTEGRATED MODELING INCENTIVE

Austin Energy progressed the seven participating projects through construction to the post-occupancy evaluation phase of this pilot program. The program was closed to new participants indefinitely as program modifications and resources are reevaluated.

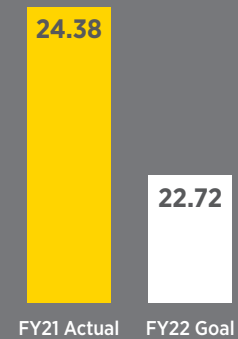
Coming in FY 2022

Austin Energy will conduct post-occupancy evaluations of the participating projects and begin issuing the incentive payments.

COMMERCIAL ENERGY EFFICIENCY MW



COMMERCIAL GREEN BUILDING MW



INTEGRATED MODELING INCENTIVE MW



COMMERCIAL ENVIRONMENTAL CONSERVATION AUDIT AND DISCLOSURE

Aln the commercial and industrial markets, Austin Energy continues to offer two options for building owners to annually benchmark and report their energy usage by June 1. One option developed by Austin Energy compares a building’s local energy use to the key code method. This option provides building owners with their Energy Use Index and a comparison to similar building types within the Austin area in a web-based format. Compliance is as simple as adding their name, building address

and key code supplied by Austin Energy. In the other method, customers may use the U.S. EPA’s ENERGY STAR Portfolio Manager, which compares their building’s energy consumption with similar buildings nationwide. Having two options allows commercial customers to choose the best fit for their business needs. In FY 2021, the ECAD energy benchmarking program compliance rate is 72% (2,380 properties) with more than 76% (171 million square feet) of commercial space. Austin earned TOP CITIES recognition for ENERGY STAR Certified Buildings.

Coming in FY 2022

For commercial and industrial building owners, Austin Energy will continue to provide education on disclosing energy benchmarking ratings at real estate transactions, on improving energy performance and on promoting benefits of ENERGY STAR certification of buildings more than 10,000 square feet. Austin Energy is currently developing a “Beyond Benchmarking Program” to provide additional communication specific to the building type after benchmarking is complete.

AUSTIN ENERGY GREEN BUILDING COMMERCIAL RATINGS AND CERTIFICATIONS

Project Name	AEGB Rating/ Certifications	Residential Units	Building Use	Development Agreements
405 Colorado	2-star		Office/ Retail/ Restaurant	Downtown (CBD-DMU), Downtown Density Bonus Program (DDBP)
701 Rio Grande Office Building	1-star		Office/ Retail	Downtown (CBD-DMU)
AUS Administration Building	LEED ¹ - Gold		Office	
AUS Career and Development Center	3-star		Office	
Charles Schwab Austin Corporate Campus Building AUS 3	2-star, LEED ¹ - Certified		Office	North Burnet/Gateway
City of Austin Del Valle Fire and EMS Station	4-star		Other	
City of Austin Planning & Development Center	4-star		Office/ Retail	
Colorado Tower	2-star		Office/ Retail	Downtown (CBD-DMU), Downtown Density Bonus Program (DDBP)
Eastlake at Tillery	3-star		Office	
Foundation Communities’ Prosper Center - South	2-star		Retail	
Hatchery Buildings D & E	1-star		Office/ Restaurant	
Hilltop Student Housing	1-star	142	Residential	University Neighborhood Overlay (UNO), S.M.A.R.T. Housing
Hilton Garden Inn	1-star		Hotel	North Burnet/Gateway
Indeed Tower	4-star		Office/ Retail	Downtown (CBD-DMU), Downtown Density Bonus Program (DDBP)
Indian Hills Phase 1	2-star		Office	Indian Hills
Maravilla at The Domain	LEED ¹ - Silver	232	Other	Domain (PDA)
Moontower	1-star	166	Residential/ Retail	University Neighborhood Overlay (UNO), S.M.A.R.T. Housing
Moxy Hotel Austin	1-star		Hotel	University Neighborhood Overlay (UNO)
Penn Field Office	1-star		Office	
Republic Square	2-star, LEED ¹ - Certified	221	Residential/ Restaurant/ Hotel	Downtown (CBD-DMU)
SOUTH SHORE IV	2-star	322	Residential	Lakeshore (PUD)
TA Brown Elementary School	4-star, LEED ¹ - Gold ¹		School	
Texas Association of Counties RMP	2-star		Office	Downtown (CBD-DMU)
The Standard at Austin	1-star	277	Residential/ Retail	University Neighborhood Overlay (UNO), S.M.A.R.T. Housing
Torre Student Housing	1-star	153	Residential	University Neighborhood Overlay (UNO), S.M.A.R.T. Housing
TownePlace Suites by Marriott near Domain	1-star		Hotel	North Burnet/Gateway
Velocity Credit Union - Downtown Branch	1-star		Office	Downtown (CBD-DMU)
Villas on Rio	1-star	283	Residential	University Neighborhood Overlay (UNO), S.M.A.R.T. Housing
Waterloo Park and Performance Venue	4-star		Other	

¹ LEED NC v4



DEMAND
RESPONSE

POWER PARTNER THERMOSTAT

In FY 2021, the Power Partner Thermostat (PPT) program enrolled 7,045 new thermostats (versus 6,476 in the previous year), totaling roughly 30,000 smart devices (excluding roughly 10,000 legacy devices). PPT trade allies marketed the program in conjunction with Austin Energy, and the cross promotion with the residential, multifamily and commercial efficiency programs—along with two seasonal promotions—contributed to the program's success. A collaboration with the Electric Vehicle/Emerging Technologies division produced the framework for a small-scale EV managed charging program under Power Partner.

Coming in FY 2022

Austin Energy will continue to expand its enrollment base with the onboarding of Amazon's entrance into the market, as its new smart thermostat's extremely low price point should be a boon for the program. The customer enrollment process will be greatly streamlined to reduce attrition in the application process. Customers can also expect at least one seasonal promotion that boosts the normal incentive amount from \$85 to \$130. Power Partner's new EV program is expected to roll out early in the summer, initially catering to city fleet vehicles and existing EV rebate customers before expanding to the entire service territory late in the year.

CYCLE SAVERS

Austin Energy installed water heater timers, called Cycle Savers, in multifamily residences from 2001 - 2021 and maintained timers that were installed five years earlier to keep them operating in top condition. The technology is no longer relevant, and the program is scheduled to sunset in the next six to twelve months.

LOAD COOPERATIVE

In FY 2021, Austin Energy reduced more than 40 MW of non-coincident commercial and industrial demand response capacity, an increase of more than 4.8 MW compared to FY 2020.

Program expansion was due to a new participant total of 557 accounts enrolled at the end of the season. Austin area school districts continued transitioning to automated demand response to help maintain their load shedding performance throughout the season with little to no need of staff intervention during the events. Several new participants to the program also took advantage of the higher incentives by enrolling in either the 1 p.m. to 7 p.m. program window or the 365/24/7 emergency option. Customers can continue to enhance their performance through the visualization of the 15-minute energy usage Energy Profiler Online tool.

The Automated Demand Response (ADR) option within the program now has 85 accounts reducing their load automatically through a secure communication signal originating from Austin Energy. An increase in participation is anticipated because of higher incentives available for this enrollment option.

Coming in FY 2022

The Load Cooperative program will be changing its name to better describe the program and help interested customers find the program by utilizing standard industry nomenclature. Load Co-op will work to enroll more customers in our automated demand response (ADR) participation program options. ADR has the potential to increase the event participation and incentives that a business can expect to receive when compared to a manually curtailing load on event days. Growing ADR is a focus for FY 2022 so buildings that installed ADR equipment as part of the energy code requirement receive full benefit of these investments. These efforts include education of the local building engineers, architects and control system vendors. Load Cooperative will also continue to offer the year-round emergency option to assist in the relief of the ERCOT grid during emergencies.





CUSTOMER
RENEWABLE
SOLUTIONS

INCENTIVE PROGRAMS

Austin Energy continues to see growth in the demand for local solar. In FY 2021, almost 1000 residential customers benefited from the Solar Education Course and associated rebate, totaling 6.5 MW-AC of capacity and nearly \$2.5MM of incentives. There was also an unprecedented rise in the number of unincentivized systems going in, totaling 3.8 MW, and 128 solar plus battery storage systems – a 500% increase over previous years – likely related to Winter Storm Uri. The Commercial Solar Program saw a slow down for the second year in a row, with only 2.6 MW, prompting Austin Energy to launch an ambitious new commercial program to help boost uptake.

PROCESS IMPROVEMENTS

Inspections. In 2021, the Austin Energy took a big step forward by improving the process for requesting, scheduling, and managing solar inspections. Austin Energy’s solar inspectors are responsible for reviewing and approving all newly installed solar systems in the Austin Energy service area before they are turned on. Austin Energy developed a new scheduling and data management solution in Smartsheet to streamline and track inspections more effectively. Smartsheet receives all inspection requests and sends standard notifications to every customer and installer at each stage of the inspection process – including the final stage when their new solar meter is installed. In addition to unifying solar inspection scheduling and communications, this solution also makes the process far more efficient thanks to a high level of automation and improves reporting capabilities by collecting more data.

Distributed Energy Interconnection Guide.

The Distributed Energy Interconnection Guide (DIG) is a document owned and produced by Electric Service and Distribution work group and is used to instruct contractors how to safely and correctly connect to the Austin Energy grid for customer-owned power production facilities, energy storage and electric vehicle charging. It is also the primary reference for contractors and inspectors for how to best conduct and successfully pass a solar inspection. Revision 11 was released in June of 2021. This update was pressing because Austin Energy needed to bring the guidance into alignment with the most recent

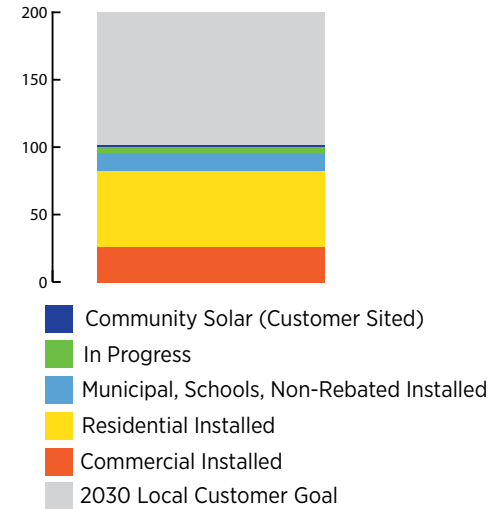
national code (NEC2020) and includes guidance on emerging technologies such as batteries. Regular updates of the DIG are critical in the fast-moving world of distributed energy resources, so Austin Energy has developed a framework for facilitating annual updates in coordination with other work groups across the utility and other departments across the city.

Coalition Agreement. The Coalition Agreement for Solar Inspections between the City of Austin’s Development Services Department and Austin Energy formalizes the departments’ relationship regarding solar energy permitting and inspections. The document authorizes Austin Energy to inspect solar PV installations in the Austin Energy territory, dictates the fees that are charged for permitting and inspections, and documents the processes that customers utilize to properly permit and inspect solar projects. The latest revision to the Coalition Agreement will address permitting and inspections of Energy Storage Systems (ESS) and will include an expanded package of process documentation to better provide guidance to customers and contractors how to submit documentation, obtain permits and request inspections, among other new additions.

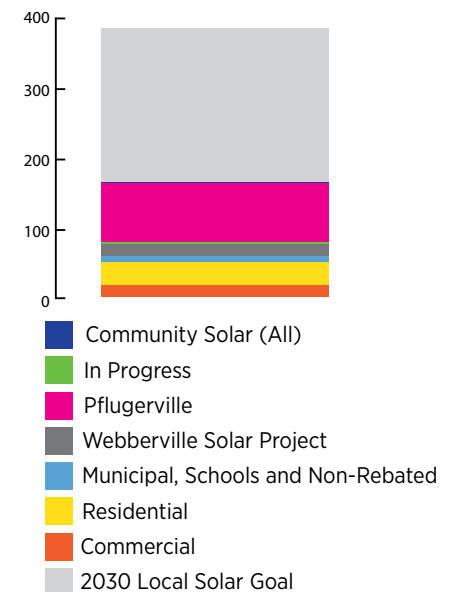
Coming in FY 2022

Commercial Program. The former Performance Based Incentive (PBI) program initiated in 2010 was designed to be ramped down as the cost of solar declined over time. However, as the program ramped down, so too did uptake from commercial customers. Recognizing

2030 Local Solar Goal (Customer-Sited)



2030 Local Solar Goal



the decline in interest from commercial customers, Austin Energy embarked on a year-long investigation, through a series of targeted surveys and stakeholder feedback sessions to better understand the reason for the decline in commercial uptake. The primary takeaways were that commercial customers installing medium to large systems (>75 kW) needed a shorter payback period, while smaller organizations and nonprofits, both of whom are often unable to take advantage of the Federal Tax Credit, needed upfront incentives to help offset the capital investment hurdle.

A key realization from this stakeholder process was that it is not reasonable to try to address the needs of such different customers with the same program design, so Austin Energy decided to split the commercial program into two parts. For nonprofits and commercial installations <75 kW, Austin Energy offered a Capacity Based Incentive (CBI) – an incentive paid out based on the system size or watts – which is paid out when the installation is complete as an upfront incentive. For installations >75 kW, the PBI – an incentive paid per kilowatt-hour generated by the solar asset – was doubled, but the number of years it will be distributed was reduced by half, such that the dollar amount spent by the utility is approximately the same, but the payback period is decreased for the customers. Among other important innovations to the PBI program is that there are no longer customer caps limiting the number of projects for which a given customer may apply – the only limitations are based on the system size and the tiers for the rebate. The other exciting change to the program is that there are now

available incentives for customers installing >1MW systems. The purpose of these changes is to encourage commercial entities to install large scale systems thus advancing both utility and municipal generation goals set forth by council.

Shared Solar. The Shared Solar project creates a pathway through the billing and metering systems by which solar credits could be disseminated across tenants in a multi-tenant property without need to create individual connections to each tenant meter. The project has been in development since its inception in 2016, during which time six Multifamily Affordable Housing (MFAH) properties have been participating in a pilot program to design, test and implement the backend systems to automate the distribution of solar credits to the tenants of those properties. As of August 2021, all six properties, in which 900 kW serve over 500 tenant units, are all receiving solar benefits through a fully automated billing solution.

Now that this Shared Solar is fully vetted, Austin Energy intends to make it available through the Multifamily Solar Program in a soft launch to six more MFAH properties before opening it up fully. In the context of Austin's fast-growing and rapidly urbanizing landscape, the potential for the impact of this program on solar uptake in Austin is significant. It also represents a ground-breaking change in the traditional residential solar paradigm, in which most focus was on single family homes. This program is one of the first of its kind in the country and will be ushered forth as an opportunity to improve equity and access to solar moving forward.



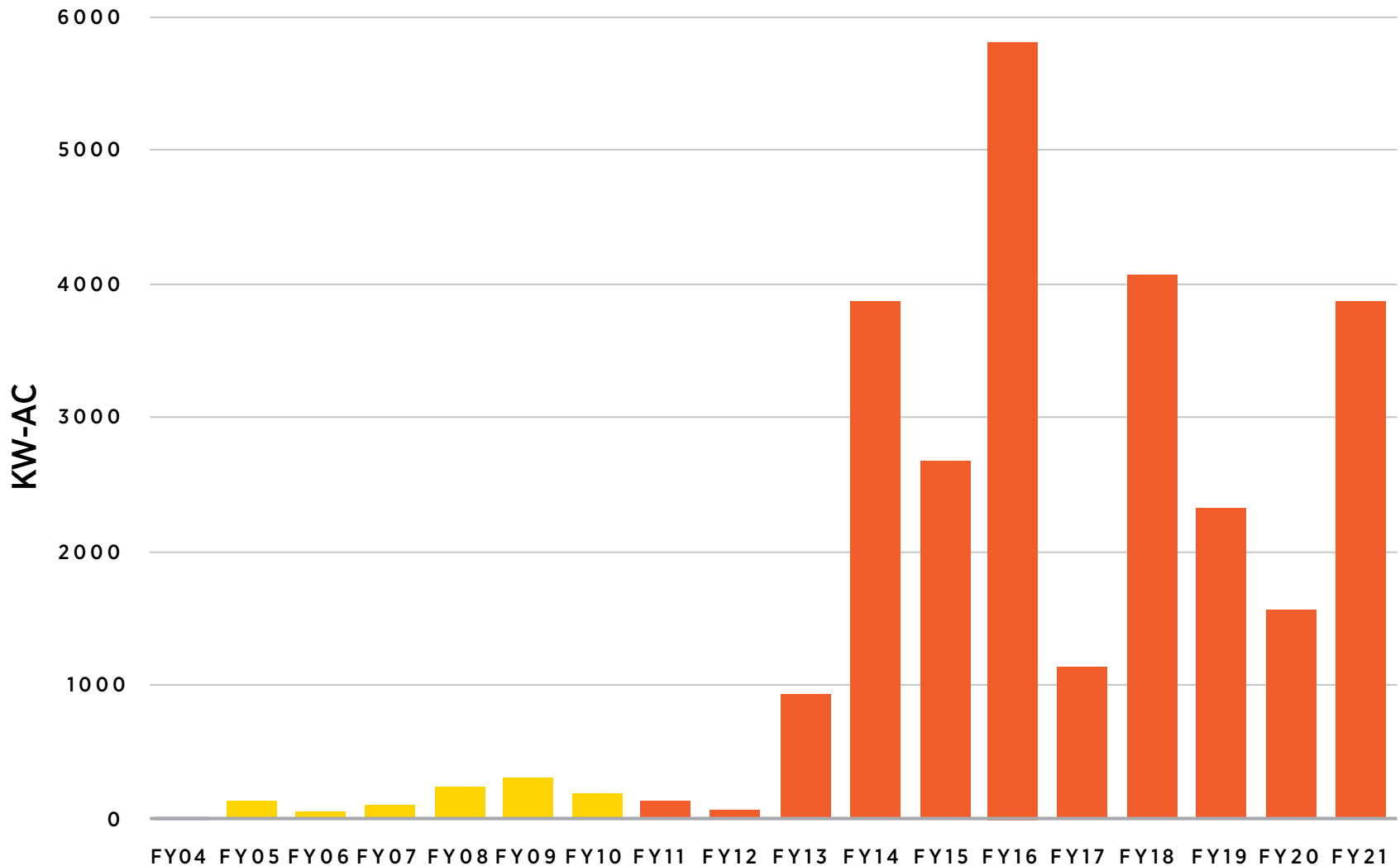
RENEWABLE ENERGY SUBSCRIPTION PROGRAMS

In March 2021, Austin Energy and Austin Bergstrom International Airport (AUS) deepened their partnership with the City of Austin with a project that will help advance its sustainability goals. Though the terminal is already being powered with 100% Texas wind through Austin Energy's GreenChoice program, this spring, AUS installed a 1.8 MW solar system and allocated 1.5 MW of the system production to Austin Energy's Community Solar program.

The vision for the Community Solar program is a subscription program similar to the award-winning GreenChoice program to facilitate equitable participation in the clean energy transition. It circumvents barriers to solar adoption such as homeownership and access to capital. Austin Energy's Community Solar program allocates half of the solar production from participating installations to Customer Assistance Program (CAP)-qualified customers. The additional solar capacity at AUS enables Austin Energy to reach

approximately 160 more participants and increase the size of the total community solar portfolio to 4.285 MW. Within FY 2021, there were 450 community solar participants and a total of 3,545,057 MWh. Austin Energy will continue to seek opportunities to expand its inclusive renewable energy offerings.

Commercial Program Installed Capacity by FY



5 Year Commercial Performance Based Incentive Program

	Tier 1 (\$/kwh)	Tier 2 (\$/kwh)
Medium (75-399 kW-AC)	\$0.09	\$0.08
Large (400-999 kW-AC)	\$0.07	\$0.06
XLarge (>999 kW-AC)	\$0.05	\$0.04

Capacity per tier = 15 MW-AC (combined across all sizes - M,L,XL)

Nonprofit and Small Commercial Capacity Based Incentive Program

	Tier 1		Tier 2		Tier 3	
	Incentive (\$/W)	Incentive Cap	Incentive (\$/W)	Incentive Cap	Incentive (\$/W)	Incentive Cap
Nonprofit	\$1.00	\$482,000	\$0.90	\$434,000	\$0.80	\$385,000
Small Commercial (<75 kW-AC)	\$0.60	\$54,000	\$0.55	\$50,000	\$0.50	\$45,000

Capacity per tier = 3 MW-AC (combined Nonprofit and Small Commercial)

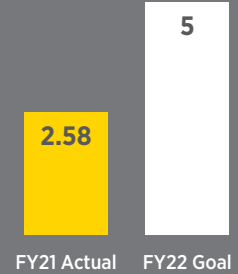
Shared Solar Pilot Projects

Project Name	Date Installed	# of Units	Capacity (kW-AC)	Annual kWh
Guadalupe Jeremiah LP	9/27/18	35	47.93	83,615
GNDK La Vista	1/16/19	22	80.58	142,798
Four Points	9/27/18	120	166.02	263,843
Chalmers South	9/27/19	86	125.53	202,743
Goodrich	4/14/20	120	214.47	357,058
Chalmers East	9/30/21	156	268.39	447,482
Total		539	902.92	1,497,539



SOLAR MW

COMMERCIAL



RESIDENTIAL



UNINCENTIVIZED





**ELECTRIC
VEHICLES
AND EMERGING
TECHNOLOGY**

Austin Energy's goal has been to make electric vehicles accessible to EVeryone, and in 2021 Austinites responded, participating in EV programs and registering new EVs in record numbers. Industry continues taking note by recognizing Austin as a top five city in the nation to own an EV - based on stations per capita, incentives and low-priced electric fuel. In the past year, Electric Vehicle and Emerging Technology staff served as co-chairs to the adoption of the Austin Climate Equity Plan. The plan includes the aggressive goal of 40% of total vehicle miles traveled in Austin be electrified, and EV ownership be culturally, geographically, and economically diverse by 2030 and to reach net-zero community-wide greenhouse gas emissions by 2040.

Austin Energy's charging network includes Plug-In EVerywhere and Plug-In Fast charging stations powered by Austin Energy's 100% renewable energy GreenChoice offering. Austin's EV drivers can charge at 1,230 Plug-In EVerywhere Level 2 stations for only \$4.17 a month, and at 30 Plug-In Fast, DC fast chargers for \$0.21 per minute. Austin Energy is keeping electric vehicle drivers energized with the deployment of eight new DC fast chargers at 811 Electric Drive. Electric Drive is a showcase for sustainable transportation in the heart of downtown Austin, featuring an array of DC fast chargers that top off EVs in minutes, a solar powered kiosk with storage, honorary street designation and more.

Austin Energy launched Phase 2 of the EV Buyer's Guide in December 2020. The first utility program of its kind in the country, Austin Energy worked with nine community auto dealerships to provide real time inventory of new and used EVs. This has resulted in more than 150,000 people learning about EVs, almost 6,000 new EVs in Austin, and industry recognition of the success of the program. The EV buyer Guide accolades include Smart Energy Consumer Collaborative (SECC)'s

4th annual Best Practices Award, Chartwell Communications 2021 Best Practices Award – Gold Communications and Smart Cities Smart 50 2021 Awards Winner.

Austin Energy continues to support the electrification of the City of Austin's fleet vehicles. City of Austin's EV Fleets have already saved 2,826 metric tons of CO2, all while reducing fuel and maintenance costs by more than 50% through the installation of 125 electric vehicle charging stations dedicated to City of Austin fleet vehicles. This is in support of 250 (and growing) EVs already in service by the City of Austin.

Austin Energy is electrifying Austin's bus fleet. In partnership with Capital Metro, Austin Energy has developed a robust charging depot to support a portion of the 400 electric buses planned for service in Austin (the most of any city in North America). The Capital Metro North Ops Depot is the location electric buses charge overnight. Additional on route charging options are also being developed. Lion Electric school bus manufacturer made a special stop at Austin Energy's headquarters for a ride-along demonstration as part of Austin Energy EVs for Schools program. Equity has taken center stage last year with a focus on E-Mobility. Austin Energy is innovating access to eBikes with Housing Authority of the City of Austin (HACA), and inspiring students at AISD with opportunities to learn about electrified transportation.

Coming in FY 2022

Austin Energy will deploy a small-scaled program for managed charging utilizing residential and fleet charging stations with the goal of including EV charging stations within the suite of Austin Energy's Power Partners managed devices.





APPENDIX

Executive Summary

Program	Participant Type	Participants	Energy Savings (MWh)	Demand Savings (MW)	O&M	Marketing Costs	Rebates	Life	TRC	SCT	PCT	Dollars per kW	Dollars per kW
RESIDENTIAL													
413,553	26,119	34,276	37,227	42,105	47,417	600,697	\$1,254,586	15.0	3.2	3.3	2.5	\$0.02	\$657
EES- Home Performance w/ Energy Star	Customers	566	1,002	0.72	\$463,886	\$21,094	\$1,295,226	15.0	1.0	1.1	1.4	\$0.12	\$2,473
EES- Weatherization Assistance & CAP WX	Customers	625	688	0.55	\$429,517	\$64,605	\$3,019,646	15.0	0.3	0.3	1.3	\$0.34	\$6,389
EES- School Based Education	Participants	5,442	705	0.10	\$137,088	\$520	\$199,939	10.0	2.1	2.2	6.5	\$0.05	\$3,375
EES- Strategic Partnership Between Utilities and Retailers	Products Sold	235,968	10,209	1.74	\$324,974	\$29,537	\$1,111,277	10.0	5.1	5.3	8.3	\$0.01	\$842
EES- Multifamily	Apt Units	3,224	1,629	0.76	\$354,595	\$15,768	\$743,525	15.0	1.2	1.2	1.5	\$0.05	\$1,466
EES- Multifamily Income Qualified	Apt Units	4,588	2,823	0.95	\$593,056	\$19,659	\$1,334,454	15.0	1.4	1.4	1.8	\$0.05	\$2,050
GB- Residential Ratings	Customers	359	439	0.28	\$359,715	\$25,479	\$0	23.0	2.6	2.6	3.3	\$0.04	\$1,376
GB- Residential Energy Code	Customers	3,930	6,654	5.09	\$119,905	\$0	\$0	23.0	2.4	2.4	1.6	\$0.00	\$24
Subtotal Residential		22,616	29,282	12.85	\$3,198,269	\$254,317	\$8,958,653	19.0	2.7	2.8	2.7	\$0.02	\$966
COMMERCIAL													
EES- Commercial Rebate	Customers	149	20,017	5.96	\$568,622	\$110,124	\$1,953,310	10.0	4.1	4.4	7.6	\$0.01	\$442
EES- Small Business	Customers	117	4,139	1.63	\$254,046	\$30,108	\$903,562	10.0	3.3	3.4	3.7	\$0.03	\$729
EES- Municipal	Customers	0	0	0.00	\$0	\$0	\$0	10.0	0.0	0.0	0.0	\$0.00	\$0
GB- Multifamily Ratings	Dwellings	2,458	3,151	0.97	\$359,715	\$25,479	\$0	18.0	4.1	4.3	3.0	\$0.01	\$397
GB- Multifamily Energy Code	Dwellings	13,549	19,991	7.84	\$119,905	\$0	\$0	18.0	4.3	4.4	2.4	\$0.00	\$15
GB- Commercial Ratings	1,000 sf	5,831	9,927	3.99	\$727,889	\$25,479	\$0	20.0	4.0	4.1	2.6	\$0.00	\$189
GB- Commercial Energy Code	1,000 sf	18,251	55,556	20.39	\$242,630	\$0	\$0	20.0	3.4	3.6	2.1	\$0.00	\$12
Subtotal Commercial		16,273	112,781	40.78	\$2,272,807	191,190	\$2,856,872	16.0	4.1	4.3	2.6	\$0.00	\$130
DEMAND RESPONSE (DR) - ANNUAL INCREMENTAL													
DR- Power Partner	Devices	6,901	0	9.80	\$360,910	\$98,203	\$1,234,290	7.0	7.8	7.8	0.9	\$0.00	\$173
DR- Cycle Saver	Devices	1,119	12	0.73	\$139,847	\$7,283	\$545,325	10.0	4.7	4.7	3.3	\$5.77	\$949
DR- Load CO-OP	Accounts	508	0	4.84	\$572,613	\$48,485	\$949,873	1.0	7.0	7.0	0.0	\$0.00	\$39
DR- Thermal Storage	Projects	0	0	0.00	\$0	\$0	\$0	15.0	0.0	0.0	0.0	\$0.00	\$0
Subtotal DR		8,528	12	15.37	\$1,073,370	\$153,971	\$2,729,488	2.0	7.3	7.3	1.8	\$164.87	\$257
Subtotal DR		8,528	12	15.37	\$1,073,370	\$153,971	\$2,729,488	2.0	7.3	7.3	1.8	\$164.87	\$257
Total DSM		47,417	142,075	69.00	\$6,544,446	\$599,478	\$14,545,013	9.0	3.9	4.0	2.6	\$0.02	\$314

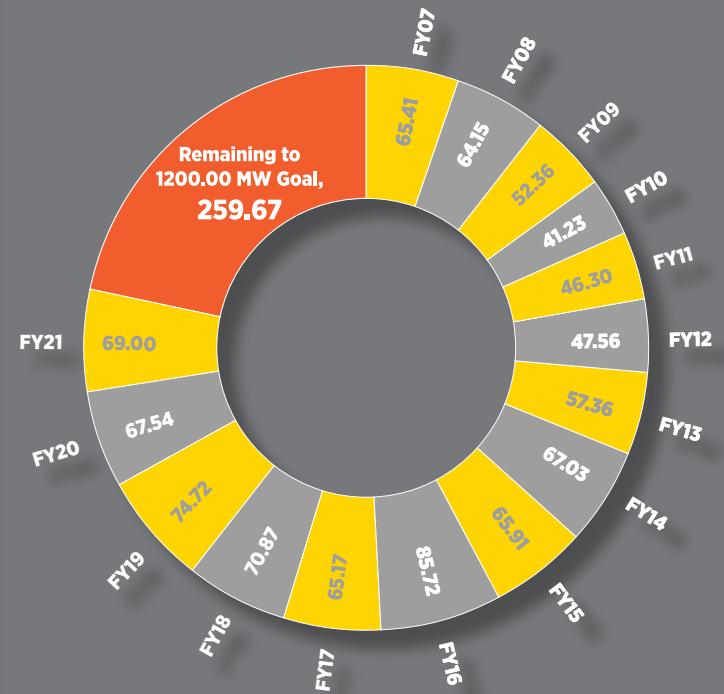
EES — Energy Efficiency Services
 GB — Green Building
 DR — Demand Response

Numbers may not sum to tabulated totals due to rounding to 2 decimal points.
 The above table contains unaudited data. Budgeted numbers are based on financial 2nd close plus encumbrances.
 Societal Test (SCT) is represented by a 10 percent adder to avoided utility costs for energy efficiency savings.
 The participants and savings for the Municipal Program are captured within the Commercial and Load CO-OP Programs.
 TRC: Total Resource Cost Test: Compares the program administrator and customer costs to utility resource savings.
 SCT: Societal Cost Test: Compares society's costs of energy efficiency to resource savings and non-cash costs and benefits.
 PCT: Participant Cost Test: Compares costs and benefits of customer installing the energy efficiency measure.
 O&M: Operations and Maintenance: overhead costs to deliver energy efficiency program.s
 *TRC, SCT, Dollars per kW for Load Co-op were calculated on annual MW performance not incremental growth as is shown in the table.
 Thermal Energy Storage: reported here but implemented through Commercial Program.

CES MW Savings

Program	2007-2016	2017	2018	2019	2020	2021	Total
	MW	MW	MW	MW	MW	MW	
EES- Appliance Efficiency Program	29.35	2.59	2.93	2.99	2.58	2.66	43.10
EES- Home Performance w/ Energy Star	38.50	1.75	1.52	1.08	0.67	0.72	44.24
EES- Weatherization Assistance & CAP WX	5.73	0.83	0.77	0.67	0.30	0.55	8.85
EES- School Based Education	0.00	0.00	0.10	0.10	0.09	0.10	0.39
EES- Strategic Partnership Between Utilities and Retailers	1.06	1.90	2.33	2.59	1.15	1.74	10.77
EES- Multifamily	42.89	0.51	1.66	0.27	0.43	0.76	46.52
EES- Multifamily Income Qualified	0.00	2.93	0.79	0.94	1.13	0.95	6.74
GB- Residential Ratings	5.29	0.50	0.53	0.66	0.49	0.28	7.75
GB- Residential Energy Code	58.11	6.52	6.79	13.50	5.90	5.09	95.91
EES- R Discontinued Programs	9.80	0.01	0.19	0.01	0.00	0.00	10.01
EES — R Discontinued Programs	10,627	2,990	2,243	1,786	1,640	1,394	48,723
Subtotal	190.73	17.54	17.61	22.81	12.73	12.85	274.27
EES- Commercial Rebate	104.88	12.81	8.00	11.05	9.48	5.96	152.18
EES- Small Business	22.98	3.94	4.10	1.93	1.26	1.63	35.84
EES- Municipal	3.44	0.00	0.00	0.00	0.00	0.00	3.44
EES/GB Commercial Projects	4.03	0.00	1.82	0.00	0.00	0.00	5.85
GB- Multifamily Ratings	9.20	1.04	1.45	0.47	1.51	0.97	14.64
GB- Multifamily Energy Code	37.33	0.93	0.92	4.71	4.92	7.84	56.65
GB- Commercial Ratings	26.22	2.77	4.14	2.67	5.74	3.99	45.53
GB- Commercial Energy Code	45.80	7.54	5.67	14.51	22.32	20.39	116.23
EES- C Discontinued Programs	0.24	0.00	0.00	0.00	0.00	0.00	0.24
Subtotal	254.13	29.03	26.10	35.34	45.24	40.78	430.61
DR- Power Partner	52.43	8.72	10.24	7.89	9.11	9.80	98.19
DR- Cycle Saver	10.15	0.61	0.62	1.28	0.47	0.73	13.86
DR- Load CO-OP	45.87	4.08	12.47	7.40	0.00	4.84	74.66
DR- ERS (Capacity)	16.50	0.00	0.00	0.00	0.00	0.00	16.50
DR- Thermal Storage	23.14	5.19	3.83	0.00	0.00	0.00	32.16
Subtotal	148.09	18.61	27.16	16.58	9.58	15.37	235.37
TOTAL	593.03	65.18	70.87	74.73	67.54	69.00	940.24

MEGAWATT SAVINGS TO 1200 MW GOAL



CES MWh Savings

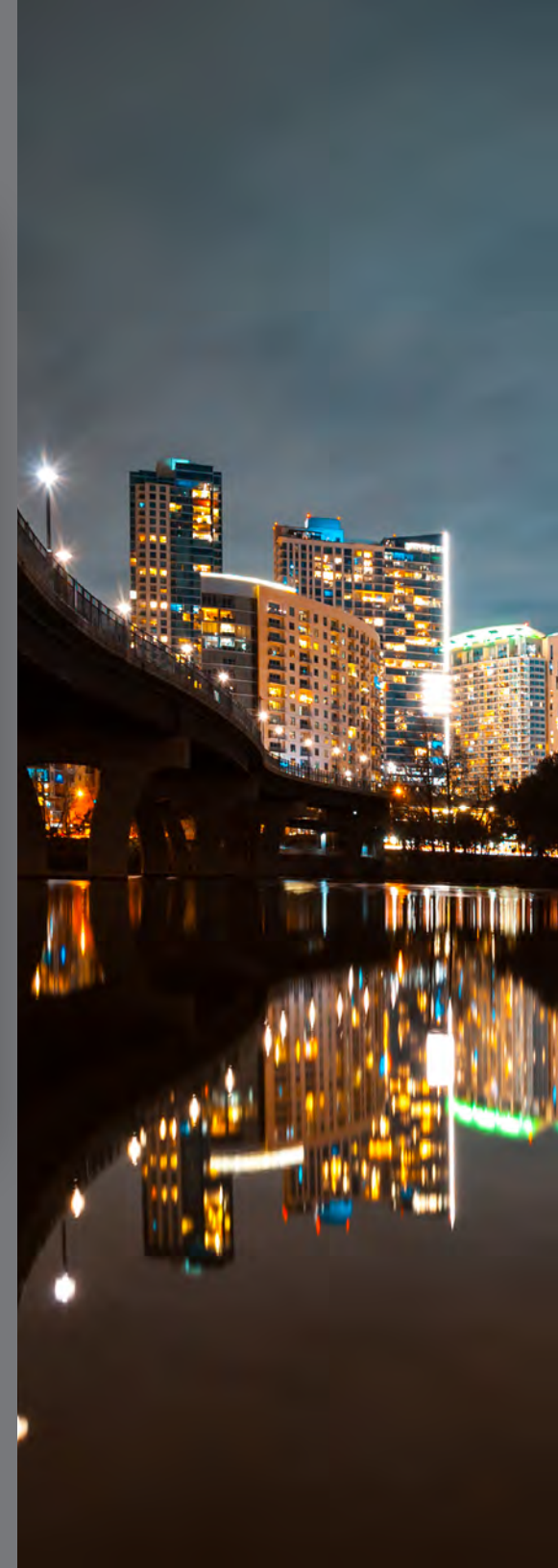
Program	2007-2016	2017	2018	2019	2020	2021	Total
	MWh	MWh	MWh	MWh	MWh	MWh	
EES- Appliance Efficiency Program	54,179	7,169	8,126	5,482	4,918	5,133	85,008
EES- Home Performance w/ Energy Star	42,244	1,918	1,675	1,470	937	1,002	49,246
EES- Weatherization Assistance & CAP WX	6,539	960	884	1,011	441	688	10,523
EES- School Based Education	0	0	153	0	620	705	1,478
EES- Strategic Partnership Between Utilities and Retailers	5,754	8,826	9,045	8,896	6,720	10,209	49,451
EES- Multifamily	104,280	906	3,697	617	1,157	1,629	112,286
EES- Multifamily Income Qualified	0	5,369	2,011	1,876	2,854	2,823	14,934
GB- Residential Ratings	8,351	816	847	1,057	812	439	12,322
GB- Residential Energy Code	89,553	8,107	8,400	16,656	7,721	6,654	137,091
EES- R Discontinued Programs	48,770	128	205	134	0	0	49,237
Subtotal	359,670	34,199	35,043	37,199	26,183	29,282	521,576
EES- Commercial Rebate	427,473	47,261	29,359	34,855	32,141	20,017	591,106
EES- Small Business	74,048	13,022	11,982	5,419	3,446	4,139	112,056
EES- Municipal	19,736	0	0	0	0	0	19,736
EES/GB Commercial Projects	14,786	0	7,106	0			21,892
GB- Multifamily Ratings	23,171	2,622	5,011	1,323	3,887	3,151	39,165
GB- Multifamily Energy Code	56,565	669	0	5,412	12,086	19,991	94,723
GB- Commercial Ratings	76,343	11,785	7,274	6,565	13,315	9,927	125,209
GB- Commercial Energy Code	129,502	21,256	15,005	38,307	58,443	55,556	318,069
EES- C Discontinued Programs	1,539	0	0	0			1,539
Subtotal	823,162	96,615	75,738	91,881	123,318.54	112,781	1,323,496
DR- Power Partner	1,812	77	89	8	0	0	1,986
DR- Cycle Saver	93	6	6	16	7.95	12	141
DR- Load CO-OP	446	34	0	0	0.00	0	480
DR- ERS (Capacity)	0	0	0	0			0
DR- Thermal Storage	0	0	0	0			0
Subtotal	2,352	116	95	24	8	12	2,607
TOTAL	1,185,184	130,930	110,876	129,104	149,509	142,075	13,297,076



Participation

Program	2007-2016 Participants	2017 Participants	2018 Participants	2019 Participants	2020 Participants	2021 Participants	Total
	MW	MW	MW	MW	MW	MW	
EES- Appliance Efficiency Program	38,245	3,643	4,129	4,039	3,823	3,882	57,761
EES- Home Performance w/ Energy Star	21,402	971	848	844	504	566	25,135
EES- Weatherization Assistance & CAP WX	5,898	878	809	494	246	625	8,950
EES- School Based Education	0	0	5,442	5,442	4,792	5,442	21,118
EES- Multifamily	128,112	1,901	3,427	1,075	2,488	3,224	140,227
EES- Multifamily Income Qualified	0	4,032	1,505	1,021	4,746	4,588	15,892
GB- Residential Ratings	7,042	649	669	785	700	359	10,204
GB- Residential Energy Code	28,592	2,173	2,225	4,267	4,560	3,930	45,747
EES- R Discontinued Programs	34,019	0	0	0	0	0	34,019
Subtotal	263,310	14,247	19,054	17,967	21,859	22,616	359,053
EES- Commercial Rebate	3,752	350	209	271	149	149	4,880
EES- Small Business	3,807	452	332	119	110	117	4,937
EES- Municipal	438	11	0	0	0	0	449
EES/GB Commercial Projects	19	0	11	0	0	0	30
GB- Multifamily Ratings	15,552	1,462	2,658	1,617	3,473	2,458	27,220
GB- Multifamily Energy Code	52,421	2,504	3,725	9,678	8,875	13,549	90,752
EES- C Discontinued Programs	1,423	0	0	0	0	0	1,423
Subtotal	77,412	4,779	6,935	11,685	12,607	16,273	129,691
DR- Power Partner	55,222	6,143	7,210	5,558	6,414	6,901	87,448
DR- Cycle Saver	17,127	945	957	1,962	723	1,119	22,833
DR- Load CO-OP	456	2	117	55	501	508	1,639
DR- ERS (Capacity)	3	0	0	0	0	0	3
DR- Thermal Storage	23	3	3	0	1	0	30
Subtotal	72,831	7,093	8,287	7,575	7,639	8,528	111,953
TOTAL	413,553	26,119	34,276	37,227	42,105	47,417	600,697

Participation table does not include programs that do not track households or projects as participants.



Solar Performance Measures

Program	2004-2016	2017	2018	2019	2020	2021	Total
Residential & Commercial							
Participation	5,655	972	1,425	843	1,239	1,011	11,145
Capacity (MW)	38.24	6.58	10.74	8.07	10.34	9.14	83.11
Energy (MWh/yr)	64,943	10,805	18,005	20,140	17,301	15,329	146,523
Expenditures	\$62,359,876	\$6,230,084	\$5,888,131	\$5,015,428	\$5,860,187	\$4,360,181	\$89,713,887
Municipal & Schools							
Participation	82.00	-	-	-	-	-	82
Capacity (MW)	1.91	-	-	-	-	-	1.91
Energy (MWh)	3220.27	-	-	-	-	-	3,220
Expenditures	\$4,804,813	-	-	-	-	-	\$4,804,813
Un-Incentivized Solar*							
Participation	-	-	-	-	1266	433	1,699
Capacity (MW)	-	-	-	-	9.92	3.80	13.73
Energy (MWh)	-	-	-	-	16,819	6,446	23,265
Community Solar*							
Participation	-	30	461	443	368	450	1,752
Capacity (MW)	-	0.19	2.60	-	-	1.50	4.29
Energy (MWh/yr)	-	217	6,906	4,053	3,394	3,545	18,115
Expenditures	-	-	-	-	-	-	-
Total Solar							
Participation	5,737	1,002	1,886	1,286	2,873	1,894	14,678
Capacity (MW)	40.14	6.76	13.34	8.07	20.26	14.44	103.02
Energy (MWh/yr)	68,164	11,022	24,911	24,193	37,514	25,320	191,123
Expenditures	\$67,164,689	\$6,230,084	\$5,888,131	\$5,015,428	\$5,860,187	\$4,360,181	\$94,518,700

*Represents all un-incentivised solar through 2020.

*Community Solar program was launched in 2017.



CES Goals and Budgets FY 2022

Energy Efficiency Services	MW Goal	Rebate Budget
EES- Appliance Efficiency Program	2.6	\$1,500,000
EES- Home Performance ES - Rebate	1.3	\$1,300,000
EES- AE Weatherization & CAP Weatherization - D.I.	0.57	\$2,577,000
EES-School Based Education	0.1	\$200,000
EES- Strategic Partnership Between Utilities and Retailers	1.75	\$950,000
EES- Multifamily Rebates	0.65	\$900,000
EES- Multifamily WX-D.I.+	1	\$1,800,000
EES- Commercial Rebate	6	\$2,250,000
EES- Small Business	2	\$1,100,000
Energy Efficiency TOTAL	15.97	\$12,577,000
Demand Response (DR) - Annual Incremental	MW Goal	Rebate Budget
DR- Power Partner (Comm & Muni)	6.4	\$1,499,910
DR- Load Coop	2	\$2,000,000
Demand Response TOTAL	8.4	\$3,499,910
Green Building	MW Goal	Rebate Budget
GB- Residential Ratings	0.5	\$0
GB- Residential Energy Code	6.21	\$0
GB- Integrated Modeling Incentive	0.56	\$50,000
GB- Multifamily Ratings	1.55	\$0
GB- Multifamily Energy Code	7.04	\$0
GB- Commercial Ratings	8	\$0
GB- Commercial Energy Code	14.72	\$0
Green Building TOTAL	38.58	\$50,000
CES MW Savings	MW Goal	Rebate Budget
Grand TOTAL	62.95	\$16,126,910
Customer Renewable Solutions	MW Goal	Rebate Budget
Residential	7	\$2,500,000
Commercial	5	\$2,750,000
Solar Energy TOTAL	12	\$5,250,000

EES — Energy Efficiency Services
 GB — Green Building
 DR — Demand Response



The Jordan at Mueller

AEGB 5-star rating